AMENDMENTS TO THE CLAIMS

Below is the entire set of pending claims pursuant to 37 C.F.R §1.121(c)(3)(i), with mark-ups showing the changes made in the present Amendment.

1.   (Presently amended) An electronic message delivery system for use in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mail messages comprising e-mail message data may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the system comprising:

(a) a stored user profile, associated with a user to whom an e-mail message is addressed, having detection parameters for processing e-mail message data;

(b) a processor for processing the e-mail message data and configured to identify suspect e-mail messages according to the detection parameters in the user profile; and

(c) a web page accessible ~~by the user~~ to set the detection parameters.

2.   (Original) A system according to claim 1, wherein the processor is further configured to store but not deliver the suspect e-mail messages.

3.   (Original) A system according to claim 2, wherein another web page is accessible by the user to inspect the suspect e-mail messages.

4.   (Original) A system according to claim 3, where the web page to set the detection parameters is the same web page as the web page to inspect the suspect e-mail messages.

5.   (Presently amended) A system according to claim 1, ~~further comprising~~ wherein the processor is associated with an intermediate ~~pre-processing~~ service that is inserted in the electronic message delivery path ~~associated with the processor and configured to receive the e-mail message data, the processor configured to identify the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate pre-processing service~~.

6.   (Presently amended) A system according to claim 5, where the processor is comprised within the intermediate ~~pre-processing~~ service.

7.   (Presently amended) A system according to claim 5, wherein the intermediate ~~pre-processing~~ service is inserted into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate ~~pre-processing~~ service.

8.   (Presently amended) A system according to claim 5, wherein a web page is accessible by an operator or agent of the destination e-mail server or a gateway to cause the intermediate ~~pre-processing~~ service to be inserted into the electronic message delivery path.

9. (Presently amended) A system according to claim 1, wherein the ~~processor is further configured to identify a media part of the suspect~~ e-mail messages <u>data comprises content data, source data, and destination data</u>~~and substitute different electronic content for the media part~~.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Original) A system according to claim 1, wherein the detection parameters are selected from the group consisting of:

content filtering parameters;

virus detection parameters; and

e-mail source and destination filtering parameters.

14. (Presently amended) A method of providing electronic messaging service in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mail messages comprising e-mail message data may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the method comprising:

(a) storing a user profile, associated with a user to whom an e-mail message is addressed, having detection parameters;

(b) processing the e-mail message data to identify suspect e-mail messages according to the detection parameters in the user profile; and

(c) accessing a web page ~~by the user~~ to establish the detection parameters.

15.   (Original) A method according to claim 14, wherein the processing further comprises storing but not delivering the suspect e-mail messages.

16.   (Original) A method according to claim 15, wherein the accessing further comprises accessing a web page by the user to inspect the suspect e-mail messages.

17.   (Presently amended) A method according to claim 16, ~~where~~ wherein accessing a web page to inspect the suspect e-mail messages comprises accessing the web page used to set the detection parameters.

18.   (Presently amended) A method according to claim 14, further comprising receiving the e-mail message data ~~with~~ in an intermediate ~~pre-processing~~ service operable to perform the processing and positioned along the electronic message delivery path between the sending e-mail server and the destination e-mail server, ~~wherein the processing further comprises processing the e-mail message data to identify the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate pre-processing service~~.

19.   (Presently amended) A method according to claim 18, wherein the processing is comprised within the intermediate ~~pre-processing~~ service.

20.   (Presently amended) A method according to claim 18, further comprising receiving the e-mail message data with an intermediate ~~pre-processing~~ service inserted into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate ~~pre-processing~~ service.

~~26~~21.   (Presently amended) A method according to claim 18, further comprising accessing a web page by an operator or agent of the destination e-mail server or a gateway to insert the intermediate ~~pre-processing~~ service into the electronic message delivery path.

22.   (Presently amended) A method according to claim 14, wherein the ~~processing further comprises processing the~~ e-mail message data comprises content data, source data, and destination data~~to identify a media part of the suspect e-mail messages and substitute different electronic content for the media part~~.

23.   (Canceled)

24.   (Canceled)

25.   (Canceled)

26.   (Original) A method of providing electronic messaging services in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mails may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the method comprising:

(a) inserting an intermediate pre-processing service into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate pre-processing service, the intermediate pre-processing service storing a user profile having detection parameters for processing e-mail message data, the user profile associated with a user to whom an e-mail message is addressed;

(b) receiving in the intermediate pre-processing service e-mail message data addressed to the destination e-mail server that has been routed to the intermediate pre-processing service, the user profile accessible through a web page by the user to set the detection parameters; and

(c) simultaneously with receiving the e-mail message data in the intermediate pre-processing service, processing the e-mail message data to identify suspect e-mail messages according to the detection parameters, and, if the processing instructs delivery to the destination e-mail server, delivering the e-mail message data to that server.

27.   (Canceled)

28.   (Canceled)

29.   (Canceled)

30.   (Canceled)

31.   (Original) A method according to claim 26, wherein processing the e-mail

message data is selected from the group consisting of:

content filtering;

virus detection; and

e-mail source and destination filtering.

32.   (Original) A method according to claim 26, further comprising identifying suspect

e-mail messages and storing but not delivering the suspect e-mail messages.

33.   (Original) A method according to claim 26, further comprising a user accessing a

server to inspect suspect e-mail messages addressed to the user.

34.   (Original) A method according to claim 26, wherein the stored user profile describes the preferences of a user who is an end user of the electronic messaging services.

35.   (Original) A method according to claim 26, further comprising accessing a web page by an operator or agent of the destination e-mail server or a gateway to cause the intermediate pre-processing service to be inserted into the electronic message delivery path.

36.   (Original) A method according to claim 26, wherein the processing includes delivering at least one e-mail message comprising the e-mail message data to one or more wireless network gateways.

37.   (Presently amended) A method according to claim 26, wherein the ~~processing includes identifying a media part of the~~ e-mail message data comprises content data, source data, and destination data~~and substituting different electronic content for the media part~~.

[44]38.(Canceled)

39.   (Canceled)

40.   (Canceled)

41.   (Original) A method according to claim 26, wherein the intermediate pre-processing service accepts a connection from a sending SMTP server, and simultaneously with the receiving of e-mail message data over that connection opens a connection to a receiving SMTP server.

42.   (Original) A method according to claim 26, wherein the method is accomplished in the intermediate pre-processing service without providing standard mail server software in the intermediate pre-processing service.

43.   (Original) A method according to claim 26, wherein processing the e-mail message data further comprises processing the e-mail message data with the intermediate pre-processing service.

44.   (Original) An electronic message delivery system for use in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mails may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the system comprising:

(a) an intermediate pre-processing service configured to be inserted into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate pre-processing service;

(b) e-mail message data addressed to the destination e-mail server received by the intermediate pre-processing service, the intermediate pre-processing service having a stored user profile, associated with a user to whom an e-mail message is addressed, having detection parameters for processing the e-mail message data and being accessible through a web page by the user to set the parameters; and

(c) a processor associated with the intermediate pre-processing service for processing the e-mail message data simultaneously with the receiving of the e-mail message data by the intermediate pre-processing service to identify suspect e-mail messages according to the detection parameters in the user profile, the e-mail message data delivered to the destination e-mail server if the processing of the e-mail message data instructs delivery to that server.

45. (Original) A system according to claim 44, wherein the processor is located within the intermediate pre-processing service.

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Canceled)

50. (Original) A system according to claim 44, wherein the detection parameters are selected from the group consisting of:

content filtering parameters;

virus detection parameters; and

e-mail source and destination filtering parameters.

51. (Original) A system according to claim 44, wherein the processor is further configured to identify suspect e-mail messages and store but not deliver the suspect e-mail messages.

52. (Original) A system according to claim 51, further including a web page accessible by a user to inspect suspect e-mail messages addressed to the user.

53. (Original) A system according to claim 52, wherein the web page accessible to inspect suspect e-mails is the same as the web page accessible to set the detection parameters.

54. (Original) A system according to claim 44, wherein the stored user profile describes the preferences of a user who is an end user of the system.

55.   (Original) A system according to claim 44, further comprising a web page accessible by an operator or agent of the destination e-mail server or a gateway to cause the intermediate pre-processing service to be inserted into the electronic message delivery path.

56.   (Original) A system according to claim 44, wherein the processor is further configured to deliver at least one e-mail message comprising the e-mail message data to one or more wireless network gateways.

57.   (Presently amended) A system according to claim 44, wherein the ~~processor is further configured to identify a media part of the~~ e-mail message data comprises content data, source data, and destination data~~and substitute different electronic content for the media part~~.

58.   (Canceled)

59.   (Canceled)

60.   (Canceled)

61.   (Original) A system according to claim 44, wherein the intermediate pre-processing service is further configured to accept a connection from a sending SMTP server and,

simultaneously with the receiving of e-mail message data over that connection, open a connection to a receiving SMTP server.

62.   (Original) A system according to claim 44, wherein the processor is configured to process the e-mail message data without providing standard mail server software in the intermediate pre-processing service.

63.   (New) A system according to claim 1, wherein the web page is accessible by the user to set the detection parameters.

64.   (New) A system according to claim 5, wherein the intermediate service is operable to route e-mails received from the sending server to the destination server if not identified as suspect by the processor.

65.   (New) A system according to claims 5, wherein the intermediate service is an intermediate pre-processing service.

66.   (New) A system according to claim 5, wherein the processor is further configured to identify the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate service.

67. (New) A system according to claim 5, wherein the user profile is stored in the intermediate service.

68. (New) A system according to claim 5, wherein the user profile is stored in a database associated with the intermediate service.

69. (New) A method according to claim 14, wherein the accessing further comprises accessing the web page by the user to set the detection parameters.

70. (New) A method according to claim 18, further comprising routing e-mails received with the intermediate service from the sending server to the destination server if not identified as suspect by the processing.

71. (New) A method according to claims 18, wherein the intermediate service is an intermediate pre-processing service.

72. (New) A method according to claim 18, wherein the processing further comprises processing the e-mail message data to identify the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate service.

73.   (New) A method according to claim 18, wherein the method further comprises storing the user profile in the intermediate service.

74.   (New) A method according to claim 18, wherein the method further comprises storing the user profile in a database associated with the intermediate service.

75.   (New) An electronic message delivery system for use in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mail messages comprising e-mail message data may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the system comprising:

(a) an intermediate service inserted into the electronic message delivery path and configured to receive the e-mail message data from the sending server;

(b) a user profile stored in the intermediate service and associated with a user to whom an e-mail message is addressed, the user profile having adjustable detection parameters for processing e-mail message data; and

(c) a processor associated with the intermediate service for processing the received e-mail message data and configured to identify suspect e-mail messages according to the detection parameters in the user profile.

76.   (New) A system according to claim 75, wherein the processor is further configured to store but not deliver the suspect e-mail messages.

77.   (New) A system according to claim 76, wherein a web page associated with the intermediate service is accessible by the user to inspect the suspect e-mail messages.

78.   (New) A system according to claim 77, wherein the web page is further accessible by the user to set the detection parameters.

79.   (New) A system according to claim 75, wherein the intermediate service is operable to forward e-mails received from the sending server to the destination server if not identified as suspect by the processor.

80.   (New) A system according to claim 75, wherein the processor is further configured to identify the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate service.

81.   (New) A system according to claim 75, where the processor is comprised within the intermediate service.

82.   (New) A system according to claims 75, wherein the intermediate service is an intermediate preprocessing service.

83. (New) A system according to claim 75, wherein the intermediate service is inserted into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate service.

84. (New) A system according to claim 83, wherein a web page is accessible by an operator or agent of the destination e-mail server or a gateway to cause the intermediate service to be inserted into the electronic message delivery path.

85. (New) A system according to claim 75, wherein the detection parameters are selected from the group consisting of:

content filtering parameters;

virus detection parameters; and

e-mail source and destination filtering parameters.

86. (New) A system according to claim 75, wherein the e-mail message data comprises content data, source data, and destination data.

87. (New) A method of providing electronic messaging service in an e-mail network comprising a sending e-mail server and a destination e-mail server, wherein e-mail messages comprising e-mail message data may be delivered from the sending e-mail server to the destination e-mail server via an electronic message delivery path, the method comprising:

(a) inserting an intermediate service into the electronic message delivery path, the intermediate service configured to receive the e-mail message data from the sending server;

(b) storing a user profile in the intermediate service, the user profile associated with a user to whom an e-mail message is addressed and having adjustable detection parameters for processing e-mail message data; and

(c) processing the e-mail message data received by the intermediate service by identifying suspect e-mail messages according to the detection parameters in the user profile.

88. (New) A method according to claim 87, wherein the processing further comprises storing but not delivering the suspect e-mail messages.

89. (New) A method according to claim 88, further comprising accessing a web page associated with the intermediate service by the user to inspect the suspect e-mail messages.

90. (New) A method according to claim 89, further comprising accessing the web page by the user to set the detection parameters.

91. (New) A method according to claim 87, further comprising forwarding e-mails received from the sending server to the destination server with the intermediate service if the e-mails are not identified as suspect by the processing.

92.   (New) A method according to claim 87, wherein the processing further comprises identifying the suspect e-mail messages simultaneously with the receiving of the e-mail message data by the intermediate service.

93.   (New) A method according to claim 87, where the processing is provided from within the intermediate service.

94.   (New) A method according to claims 87, wherein the intermediate service is an intermediate preprocessing service.

95.   (New) A method according to claim 87, wherein inserting comprises inserting the intermediate service into the electronic message delivery path by changing a Domain Name System entry containing an IP address of the destination e-mail server to contain an IP address of the intermediate service.

96.   (New) A method according to claim 95, further comprising accessing a web page by an operator or agent of the destination server or a gateway to insert the intermediate service into the electronic message delivery path.

97.   (New) A method according to claim 87, wherein the detection parameters are selected from the group consisting of:

content filtering parameters;

virus detection parameters; and

e-mail source and destination filtering parameters.

98.   (New) A system according to claim 87, wherein the e-mail message data comprises content data, source data, and destination data.